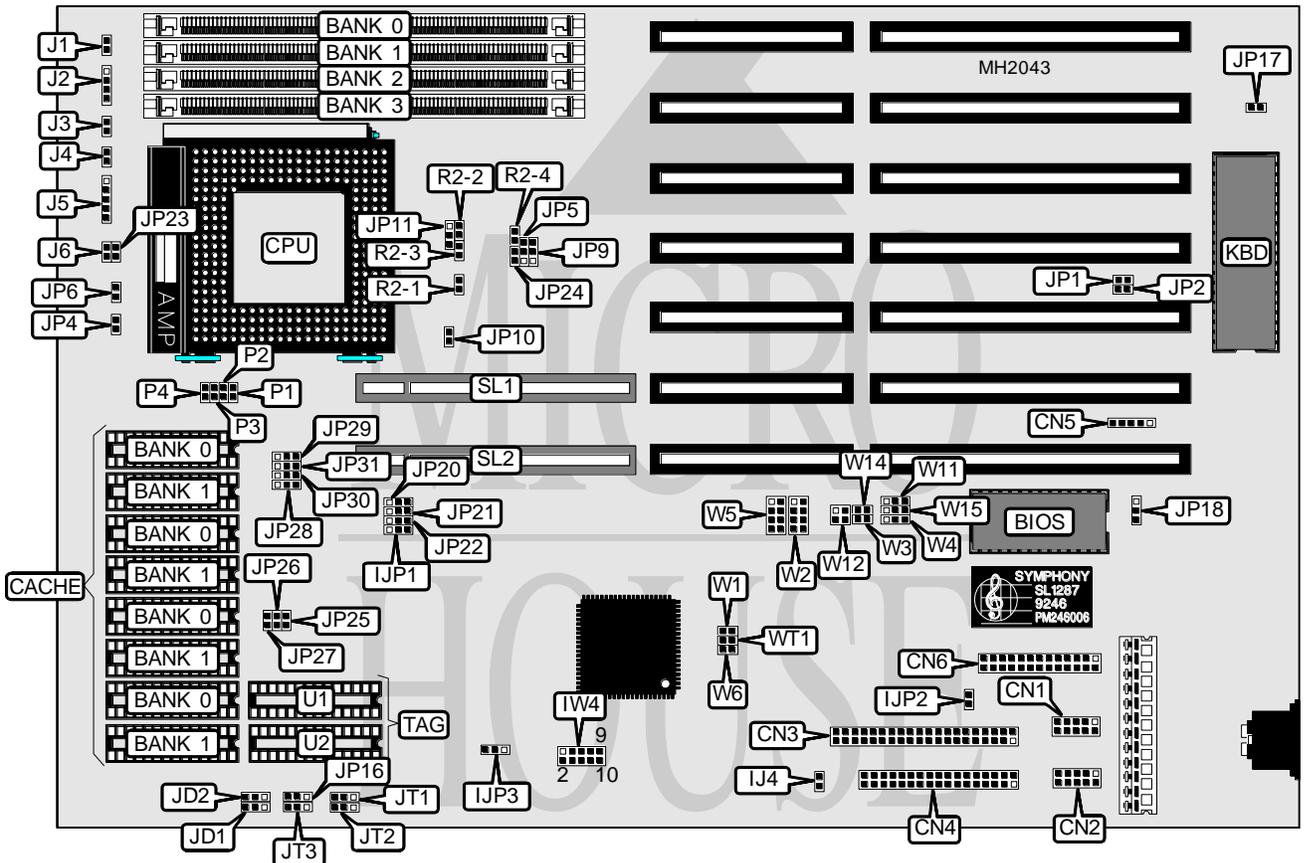


YOUNG MICRO SYSTEMS, INC.

VEGA 486 GREEN AIO 2VLB

Processor 80486SX/80486DX/80486DX2/80486DX4/Pentium Overdrive
Processor Speed 25/33/40/50(internal)/50/66(internal)MHz
Chip Set Symphony
Max. Onboard DRAM 128MB
Cache 64/128/256/512/1024KB
BIOS AMI
Dimensions 330mm x 218mm
I/O Options 32-bit VESA local bus slots (2), floppy drive interface, IDE interface, parallel port, PS/2 mouse connector, serial ports (2)
NPU Options None



| CONNECTIONS | | | |
|---------------------|----------|-----------------------------|-----------|
| Purpose | Location | Purpose | Location |
| Reset switch | J1 | Serial port 2 | CN2 |
| Speaker | J2 | IDE interface | CN3 |
| Turbo LED | J3 | Floppy drive interface | CN4 |
| Turbo switch | J4 | PS/2 mouse connector | CN5 |
| Power LED & keylock | J5 | Parallel port | CN6 |
| Resume connector | J6 | IDE interface LED | IJ4 |
| Serial port 1 | CN1 | 32-bit VESA Local bus slots | SL1 & SL2 |

Continued next page...

YOUNG MICRO SYSTEMS, INC.

VEGA 486 GREEN AIO 2VLB

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| USER CONFIGURABLE SETTINGS | | |
|-------------------------------------|-------------|-------------------|
| Function | Jumper | Position |
| í Factory configured - do not alter | IJP1 | Open |
| í Factory configured - do not alter | IJP2 | Open |
| í Factory configured - do not alter | IJP3 | Open |
| í Factory configured - do not alter | IW4/ 1 & 2 | Open |
| í Factory configured - do not alter | IW4/ 3 & 4 | Open |
| í Factory configured - do not alter | IW4/ 5 & 6 | Open |
| í Factory configured - do not alter | IW4/ 7 & 8 | Open |
| í IDE interface enabled | IW4/ 9 & 10 | Open |
| IDE interface disabled | IW4/ 9 & 10 | Closed |
| í Factory configured - do not alter | JP9 | Open |
| í Factory configured - do not alter | JP10 | Open |
| í Cache control select combined | JP16 | pins 1 & 2 closed |
| Cache control select separate | JP16 | pins 2 & 3 closed |
| í Monitor type select color | JP17 | Closed |
| Monitor type select monochrome | JP17 | Open |
| í BIOS type select regular | JP18 | pins 1 & 2 closed |
| BIOS type select flash EPROM | JP18 | pins 2 & 3 closed |
| í Factory configured - do not alter | JP22 | Open |
| í Factory configured - do not alter | JP23 | Open |
| í Factory configured - do not alter | JP24 | Open |
| í Factory configured - do not alter | JP28 | Open |
| í Factory configured - do not alter | JP29 | Open |
| í Factory configured - do not alter | JP30 | Open |
| í Factory configured - do not alter | JP31 | Open |
| í Factory configured - do not alter | W1 | Open |
| í Factory configured - do not alter | W2 | Open |
| í Factory configured - do not alter | W3 | Open |
| í Factory configured - do not alter | W4 | Open |
| í Factory configured - do not alter | W5 | Open |
| í Factory configured - do not alter | W6 | Open |
| í Parallel port IRQ select IRQ7 | W11 | pins 2 & 3 closed |
| Parallel port IRQ select IRQ5 | W11 | pins 1 & 2 closed |
| í Factory configured - do not alter | W12 | Open |
| í Onboard port select enabled | WT1 | Open |
| Onboard port select disabled | WT1 | Closed |

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YOUNG MICRO SYSTEMS, INC.

VEGA 486 GREEN AIO 2VLB

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| DRAM CONFIGURATION | | | | |
|--------------------|---------------|---------------|-------------|-------------|
| Size | Bank 0 | Bank 1 | Bank 2 | Bank 3 |
| 1MB | (1) 256K x 36 | NONE | NONE | NONE |
| 4MB | (1) 512K x 36 | (1) 512K x 36 | NONE | NONE |
| 4MB | (1) 1M x 36 | NONE | NONE | NONE |
| 8MB | (1) 1M x 36 | (1) 1M x 36 | NONE | NONE |
| 8MB | (1) 2M x 36 | NONE | NONE | NONE |
| 16MB | (1) 4M x 36 | NONE | NONE | NONE |
| 16MB | (1) 1M x 36 | (1) 1M x 36 | (1) 1M x 36 | (1) 1M x 36 |
| 32MB | (1) 4M x 36 | (1) 4M x 36 | NONE | NONE |
| 32MB | (1) 2M x 36 | (1) 2M x 36 | (1) 2M x 36 | (1) 2M x 36 |
| 64MB | (1) 8M x 36 | (1) 8M x 36 | NONE | NONE |
| 64MB | (1) 4M x 36 | (1) 4M x 36 | (1) 4M x 36 | (1) 4M x 36 |
| 128MB | (1) 8M x 36 | (1) 8M x 36 | (1) 8M x 36 | (1) 8M x 36 |

| CACHE CONFIGURATION | | | |
|---------------------|--------------|--------------|---------------|
| Size | Bank 0 | Bank 1 | TAG (U1 & U2) |
| 64KB | (4) 8K x 8 | (4) 8K x 8 | (2) 8K x 8 |
| 128KB | (4) 32K x 8 | NONE | (2) 8K x 8 |
| 256KB | (4) 32K x 8 | (4) 32K x 8 | (2) 32K x 8 |
| 512KB | (4) 128K x 8 | NONE | (2) 32K x 8 |
| 1MB | (4) 128K x 8 | (4) 128K x 8 | (2) 128K x 8 |

| CACHE JUMPER CONFIGURATION | | | | | |
|----------------------------|-------|-------|-------|-------|-------|
| Size | JD1 | JD2 | JT1 | JT2 | JT3 |
| 64KB | 2 & 3 | 2 & 3 | 1 & 2 | 1 & 2 | 1 & 2 |
| 128KB | 1 & 2 | 1 & 2 | 2 & 3 | 1 & 2 | 1 & 2 |
| 256KB | 2 & 3 | 2 & 3 | 2 & 3 | 2 & 3 | 1 & 2 |
| 512KB | 1 & 2 | 1 & 2 | 2 & 3 | 2 & 3 | 2 & 3 |
| 1MB | 2 & 3 | 2 & 3 | 2 & 3 | 2 & 3 | 2 & 3 |

Note: Pins designated should be in the closed position.

| CPU TYPE CONFIGURATION | | | | | | | | |
|------------------------|--------|--------|--------|-------|--------|-------|---------|--------|
| Type | JP1 | JP2 | JP4 | JP5 | JP6 | JP11 | P1 - P4 | R2-1/4 |
| 486SX | Open | Open | Open | 2 & 3 | Closed | Open | Closed | Open |
| 486SL | Open | Closed | Open | 1 & 2 | Closed | 1 & 2 | Closed | Closed |
| 486DX | Open | Open | Open | 1 & 2 | Closed | 1 & 2 | Closed | Open |
| 486DX4 | Open | Closed | Open | 1 & 2 | Closed | 2 & 3 | Open | Closed |
| Overdrive | Closed | Closed | Closed | 1 & 2 | Open | 2 & 3 | Open | Closed |

Note: Pins designated should be in the closed position.

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YOUNG MICRO SYSTEMS, INC.
VEGA 486 GREEN AIO 2VLB

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| CPU SPEED CONFIGURATION | | | |
|-------------------------|--------|--------|--------|
| Speed | JP25 | JP26 | JP27 |
| 25MHz | Closed | Open | Closed |
| 33MHz | Open | Open | Closed |
| 40MHz | Closed | Closed | Open |
| 50iMHz | Closed | Open | Closed |
| 50MHz | Open | Closed | Open |
| 66iMHz | Open | Open | Closed |

| VESA WAIT STATE/BUS SPEED CONFIGURATION | | | |
|-----------------------------------------|---------------|-------------------|-------------------|
| CPU speed | Wait states | JP20 | JP21` |
| < 33MHz | 0 wait states | pins 1 & 2 closed | pins 1 & 2 closed |
| > 33MHz | 1 wait state | pins 2 & 3 closed | pins 2 & 3 closed |

| PARALLEL PORT CONFIGURATION | | |
|-----------------------------------|--------|-------------------|
| Type | W14 | W15 |
| Enhanced parallel port (EPP) mode | Open | pins 2 & 3 closed |
| Standard mode | Closed | pins 1 & 2 closed |